What we claim is:

1. A method of inhibiting tumor growth in tumors having growth factor receptors comprising administering, about simultaneously, antibodies to the target growth factor receptors, at least one chemotherapeutic agent and radiation therapy.

2. The method of claim 1 wherein the first dose of antibodies to target growth factor receptors is administered before or at the time of administration of at least one chemotherapeutic agent.

3. The method of claim 1 wherein the antibody is to a epidermal growth factor receptor or a Her-2/neu receptor.

4. The method of claim 1 wherein the chemotherapeutic agent is chosen from among cisplatin, irinotecan (CPT--11), paclitaxel, gemcitabine, 5-fluorouracil, and doxorubicin.

5. The method of claim 1 wherein the tumor growth to be inhibited is a pancreatic tumor.

6. The method of claim 1 wherein the tumor growth to be inhibited is a colon tumor.

7. The method of claim 1 wherein the antibody administered is one chosen from IMC-C225 and Herceptin.

8. The method of claim 7 wherein the antibody administered is Herceptin.

9. The method of claim 2 wherein the antibody administered is one chosen from IMC-C225 and Herceptin.

10. The method of claim 4 wherein the chemotherapeutic agent is gemcitabine.

11. The method of claim 1 wherein the antibodies administered are antibodies against epidermal growth factor receptor.

12. The method of claim 1 wherein the course of treatment is at least 6 weeks.

13. The method of claim 12 wherein the antibodies against a growth factor receptor are administered at a higher dosage at the first dose than at subsequent doses.